

WHAT IS CLAIMED IS:

1. A color conversion processing method comprising steps of:

5 preparing three types of profiles consisting of a target profile providing an association between coordinates on a target color space depending on a predetermined target device and coordinates on a predetermined common color space, a printer processing conversion profile providing an 10 association between coordinates in an area subjected to a restriction according to a predetermined printer on a first printer color space depending on the printer and coordinates, where the restriction is removed, on a second printer color space depending on the printer, and a printer 15 profile providing an association between the coordinates, where the restriction is removed, on the second printer color space, and the coordinates on the common color space;

combining the three types of profiles to create a combined profile providing an association between the 20 coordinates on the target color space and the coordinates in the area subjected to the restriction on the first printer color space; and

25 performing a color conversion processing in which image data for a target having color information represented by the coordinates on the target color space is converted into image data for a printer having color information represented by the coordinates in the area

subjected to the restriction on the first printer color space in accordance with the combined profile.

2. A color conversion processing apparatus
5 comprising:

a memory section that stores three types of profiles consisting of a target profile providing an association between coordinates on a target color space depending on a predetermined target device and coordinates 10 on a predetermined common color space, a printer processing conversion profile providing an association between coordinates in an area subjected to a restriction according to a predetermined printer on a first printer color space depending on the printer and coordinates, where the 15 restriction is removed, on a second printer color space depending on the printer, and a printer profile providing an association between the coordinates, where the restriction is removed, on the second printer color space, and the coordinates on the common color space;

20 a profile integration section that combines the three types of profiles to create a combined profile providing an association between the coordinates on the target color space and the coordinates in the area subjected to the restriction on the first printer color 25 space; and

a color conversion processing section that performs a color conversion processing in which image data

for a target having color information represented by the coordinates on the target color space is converted into image data for a printer having color information represented by the coordinates in the area subjected to the 5 restriction on the first printer color space in accordance with the combined profile.

3. A color conversion processing apparatus according to claim 2, further comprising a profile 10 designation section that designates a pair of a desired target profile and a desired printer profile, wherein the profile integration section combines the target profile and the printer profile designated by the profile designation section with a printer processing conversion profile 15 associated with the printer profile to create the combined profile.

4. A color conversion processing program storage medium storing a color conversion processing program which causes an information processing apparatus to operate as a color conversion processing apparatus, the color conversion processing apparatus comprising:

a memory section that stores three types of profiles consisting of a target profile providing an 25 association between coordinates on a target color space depending on a predetermined target device and coordinates on a predetermined common color space, a printer processing

conversion profile providing an association between coordinates in an area subjected to a restriction according to a predetermined printer on a first printer color space depending on the printer and coordinates, where the
5 restriction is removed, on a second printer color space depending on the printer, and a printer profile providing an association between the coordinates, where the restriction is removed, on the second printer color space, and the coordinates on the common color space;

10 a profile integration section that combines the three types of profiles to create a combined profile providing an association between the coordinates on the target color space and the coordinates in the area subjected to the restriction on the first printer color
15 space; and

 a color conversion processing section that performs a color conversion processing in which image data for a target having color information represented by the coordinates on the target color space is converted into
20 image data for a printer having color information represented by the coordinates in the area subjected to the restriction on the first printer color space in accordance with the combined profile.

25 5. A color conversion processing program storage medium according to claim 4, wherein color conversion processing apparatus further comprises a profile

designation section that designates a pair of a desired target profile and a desired printer profile, and wherein the profile integration section combines the target profile and the printer profile designated by the profile
5 designation section with a printer processing conversion profile associated with the printer profile to create the combined profile.